

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently amended) A circuit arrangement with a low temperature circuit ~~(2)~~ for the cooling of charging air in a motor vehicle comprising a turbocharger and an engine cooling circuit ~~(3)~~ for cooling an engine ~~(4)~~, ~~characterized in that~~ wherein the low temperature circuit ~~(2)~~ can be temporarily coupled to the engine cooling circuit ~~(3)~~ in such a way that coolant can pass from one circuit ~~(2, 3)~~ into the other circuit ~~(2, 3)~~ and back.
2. (Currently amended) The circuit arrangement as claimed in claim 1, ~~characterized in that~~ wherein a feedline ~~(8)~~ between the engine cooling circuit (3) and the low temperature circuit ~~(2)~~ is provided.
3. (Currently amended) The circuit arrangement as claimed in claim 2, ~~characterized in that~~ wherein the feedline ~~(8)~~ leads from an engine thermostat ~~(5)~~, arranged in the engine cooling circuit ~~(3)~~ downstream of the engine ~~(4)~~, as seen in the flow direction, to a mixed thermostat ~~(11)~~ integrated into the low temperature circuit ~~(2)~~.
4. (Currently amended) The circuit arrangement as claimed in claim 3, ~~characterized in that~~ wherein a feedback line ~~(14)~~ is arranged between the mixed thermostat ~~(11)~~ and the engine thermostat ~~(5)~~.
5. (Currently amended) The circuit arrangement as claimed in ~~one of claims 2 to 4,~~ ~~characterized in that~~ claim 2, wherein the mixed thermostat ~~(11)~~ is an expansion thermostat or an electrically or pneumatically actuable valve.
6. (Currently amended) A method for operating a circuit arrangement ~~(1)~~ as claimed in ~~one of the preceding claims,~~ ~~characterized in that~~ claim 1, wherein, during the warm-up of the engine ~~(4)~~, coolant flows out of the engine cooling circuit ~~(3)~~ into the low temperature circuit ~~(2)~~.

7. (Currently amended) A method for operating a circuit arrangement ~~(1)~~ as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein, in the warm state of the engine (4), coolant flows out of the engine cooling circuit ~~(3)~~ into the low temperature circuit ~~(2)~~.
8. (Currently amended) The method as claimed in ~~either one of claims 6 or 7,~~ characterized in that claim 6, wherein warm coolant from the engine cooling circuit (3) is used for the heating of charging air in the charging-air/coolant cooler (12).
9. (New) The circuit arrangement as claimed in claim 3, wherein the mixed thermostat is an expansion thermostat or an electrically or pneumatically actuable valve.
10. (New) The circuit arrangement as claimed in claim 4, wherein the mixed thermostat is an expansion thermostat or an electrically or pneumatically actuable valve.
11. (New) A method for operating a circuit arrangement as claimed in claim 2, wherein, during the warm-up of the engine, coolant flows out of the engine cooling circuit into the low temperature circuit.
12. (New) A method for operating a circuit arrangement as claimed in claim 3, wherein, during the warm-up of the engine, coolant flows out of the engine cooling circuit into the low temperature circuit.
13. (New) A method for operating a circuit arrangement as claimed in claim 4, wherein, during the warm-up of the engine, coolant flows out of the engine cooling circuit into the low temperature circuit.

14. (New) A method for operating a circuit arrangement as claimed in claim 5, wherein, during the warm-up of the engine, coolant flows out of the engine cooling circuit into the low temperature circuit.
15. (New) A method for operating a circuit arrangement as claimed in claim 2, wherein, in the warm state of the engine, coolant flows out of the engine cooling circuit into the low temperature circuit.
16. (New) A method for operating a circuit arrangement as claimed in claim 3, wherein, in the warm state of the engine, coolant flows out of the engine cooling circuit into the low temperature circuit.
17. (New) A method for operating a circuit arrangement as claimed in claim 4, wherein, in the warm state of the engine, coolant flows out of the engine cooling circuit into the low temperature circuit.
18. (New) A method for operating a circuit arrangement as claimed in claim 5, wherein, in the warm state of the engine, coolant flows out of the engine cooling circuit into the low temperature circuit.
19. (New) A method for operating a circuit arrangement as claimed in claim 6, wherein, in the warm state of the engine, coolant flows out of the engine cooling circuit into the low temperature circuit.
20. (New) The method as claimed in claim 7, wherein warm coolant from the engine cooling circuit is used for the heating of charging air in the charging-air/coolant cooler.